

Message Text

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PAGE 01 STATE 278976

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ORIGIN OES-05

INFO OCT-01 EUR-12 ISO-00 OC-05 CCO-00 NAS-01 NSF-02

COME-00 ERDA-07 /033 R

DRAFTED BY OES/APT/SEP:ASHELDON:GEM

APPROVED BY OES/APT/SEP:OGANLEY

EUR/SOV:WVEALE (SUBS.)

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P 252121Z NOV 75

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW PRIORITY

UNCLAS STATE 278976

E.O. 11652: N/A

TAGS: TECH, US, UR

SUBJECT: MICROBIOLOGY: FOOD AND FEED PROTEIN - SINGLE
CELL PROTEIN CONFERENCE

REF: A) WANG AUGUST 20 LETTER TO GRIGORIAN

B) WANG JULY 14 LETTER TO GRIGORIAN

1. FYI POUCHED REGISTRY NUMBER 2940861 COPIES OF (A)
WANG NOVEMBER 3 LETTER TO GRIGORIAN AND (B) WANG NOVEMBER 3
MEMO TO GRIGORIAN AND GRADOVA REGARDING DECEMBER 14-23
VISIT OF SOVDEL FOR SINGLE CELL PROTEIN CONFERENCE.
(ORIGINAL RELEASED OPEN MAIL APPROXIMATELY NOVEMBER 17.)
LOEBNER CARRYING COPIES OF BOTH COMMUNICATIONS.

2. IN DISCUSSIONS BETWEEN WANG AND GRADOVA AT SEPTEMBER
1975 MEETING IN MOSCOW OF JOINT WORKING GROUP, AGREEMENT
REACHED ON DATE AND DETAILS OF CONFERENCE. THERE HAVE
BEEN NO FURTHER COMMUNICATIONS SINCE THAT TIME BETWEEN
WANG AND GRIGORIAN OR GRADOVA. END FYI.

3. WANG NOVEMBER 3 LETTER TO GRIGORIAN FORWARDS TENTATIVE
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PROGRAM FOR CONFERENCE. ADVISES THAT CO-CHAIRPERSONS

HAVE BEEN ASSIGNED FOR EACH OF CONFERENCE SESSIONS TO
ASSURE ADHERENCE TO TIME SCHEDULES AND FOR PREPARATION OF

REPORT AT CONCLUSION OF CONFERENCE. SUGGESTS THAT, AS
35 MINUTES ALLOCATED FOR EACH PAPER, IMPERATIVE THAT
PAPERS NOT EXCEED 8 PAGES (DOUBLE-SPACED) PLUS 8 GRAPHS
OR TABLES. WISHES SOVIET REACTION TO TENTATIVE PROGRAM
AND ASKS FOR LIST OF SOVIET PAPERS TO BE PRESENTED,
ABSTRACTS OF WHICH WERE TO BE FORWARDED BY GRADOVA BY
NOVEMBER 15. TENTATIVE ITINERARY FOR VISIT (TUESDAY
DEPARTURE FROM NEW YORK VIA AEROFLOT) INCORPORATED IN
WANG NOVEMBER 3 MEMORANDUM TO GRIGORIAN AND GRADOVA.
SUGGESTED PROGRAM OF CONFERENCE AND PROPOSED ITINERARY
FOLLOW:

PROGRAM FOR JOINT CONFERENCE ON SINGLE-CELL PROTEIN,
DECEMBER 16-18, TO BE HELD AT MIT, CAMBRIDGE, MASS.:
(PAPERS AND AUTHORS LISTED NUMERICALLY UNDER EACH
SESSION)

DEC. 16 - INTRODUCTORY COMMENTS (10 MINUTES EACH) - WANG
AND GRIGORIAN

MORNING SESSION: SELECTION OF ORGANISMS AND SUBSTRATES -
ALCOHOLS: CO-CHAIRPERSONS: COONEY AND GRADOVA.

1. SELECTION OF MICROBIAL STRAINS FOR SCP PRODUCTION -
N. B. GRADOVA AND Z. H. PABYSHEVA (ALL-UNION RESEARCH
INSTITUTE OF PROTEIN BIOSYNTHESIS)

2. SINGLE-CELL PROTEIN FROM METHANOL - COONEY (MIT)

3. REGULARITIES OF MICROORGANISMS GROWN ON METHANOL AND
ETHANOL - N. P. KALUNIANTS AND P. N. FISCHER (ALL-UNION
RESEARCH INSTITUTE OF PROTEIN BIOSYNTHESIS)

4. SINGLE-CELL PROTEIN FROM ETHANOL - A. I. LASKIN
(EXXON RESEARCH AND ENG. CO.)

5. SCP PROTEIN ON PARTIAL OXIDATION PRODUCTS OF METHANE -
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H. LIM (PURDUE U.)

AFTERNOON SESSION: SELECTION OF ORGANISMS AND
SUBSTRATES: CELLULOSE AND HYDROCARBONS: CO-CHAIRPERSONS:
HUMPHREY AND S. V. CHEPIGO.

1. REVIEW OF SINGLE-CELL PROTEIN FROM CELLULOSE - C. E.
DUNLOP (U. OF MISSOURI)

2. USE OF THERMOPHILIC FUNGI AS AN SCP SOURCE USING
CELLULOSIC MATERIAL AS SUBSTRATE - HUMPHREY (U. OF PA.)

3. COMBINED CHEMICAL PROCESSING OF AGRICULTURAL WASTES
BY THE METHOD OF HYDROLYSIS - S. V. CHEPIGO, E. R. LEIKIN
AND Z. K. KLIMOVA (ALL-UNION RES. INST. OF PROTEIN
BIOSYNTHESIS)

4. PRODUCTION AND EVALUATION OF SINGLE-CELL PROTEIN FROM
MESQUITE - H. H. YANG, W. WANG, S. P. YANG AND D. W.
THAYER (TEXAS TECH U.)

DEC. 17 - MORNING SESSION: CONTINUATION OF DECEMBER 16
AFTERNOON SESSION:

5. MECHANISMS OF HYDROCARBON ABSORPTION BY CELLS OF
HYDROCARBON - ASSIMILATING YEASTS - A. D. GOLOBOV,
E. R. DAVIDOV AND V. V. RACHINSKY (ALL-UNION RES. INST.
OF BIOSYNTHESIS AND THE TIMIRYAZEV AGRICULTURAL ACADEMY)

6. UPTAKE OF INSOLUBLE HYDROCARBONS BY MICROORGANISMS -
H. BLANCH (U. OF DELAWARE)

7. SOME PROBLEMS OF KINETICS OF INDIVIDUAL N-ALKANE
OXIDATION BY YEASTS - V. A. GARBALINSKY AND G. I.
VOROBYEVA (ALL-UNION RES. INST. OF PROTEIN BIOSYNTHESIS).

SESSION ON EQUIPMENT AND CONTROL IN SCP PRODUCTION:
CO-CHAIRPERSONS: L. L. GASNER AND V. A. GARBALINSKY:

1. IMPROVEMENTS IN FERMENTOR DESIGN FOR SCP PRODUCTION:
THE AIRLIFT FERMENTOR - R. T. HATCH (U. OF MARYLAND);
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WANG (MIT)

2. ASPECTS OF PROCESS CONTROL IN SINGLE-CELL PRODUCTION -
L. NYIRI, G. M. TOTH, D. V. PARMENTER AND C. S.
KRASHNASWANI (FERMENTATION DESIGN).

AFTERNOON SESSION: INDUSTRIAL ASPECTS OF SCP PRODUCTION:
CO-CHAIRPERSONS: EDMUND FIELD AND V. K. YEROSHIN:

1. COMPARATIVE EVALUATION OF INDUSTRIAL MICROBIAL
STRAINS AND FEEDSTOCKS FOR SCP PRODUCTION - V. V. LALOV
(ALL-UNION INST. OF PROTEIN BIOSYNTHESIS)

2- INDUSTRIAL ASPECTS OF SINGLE-CELL PROTEIN PRODUCTION
FROM N-PARAFFIN - R. S. SILVER AND P. G. COOPER (GULF

RESEARCH)

3. PHYSIOLOGO-ECONOMIC APPROACH TO THE EVALUATION OF
VARIOUS FEEDSTOCKS FOR SCP PRODUCTION - V. K. YEROSHIN
(INSTITUTE OF BIOCHEMISTRY AND PHYSIOLOGY OF

MICROORGANISMS)

4. PRODUCTION OF SINGLE-CELL PROTEIN FROM WHEY LACTOSE -
;. BERNSTEIN (AMBER LABS, MILBREW, INC.).

DEC. 18 - MORNING SESSION: RECOVERY PROCESSES FOR SINGLE-
CELL PRODUCTION AND REDUCTION OF RIBONUCLEIC ACIDS:
CO-CHAIRPERSONS: WANG AND GRIGORIAN:

1. ENHANCEMENT OF RECOVERY OF SINGLE-CELL PROTEIN
THROUGH FLOCCULATION - L. L. GASNER

2. PHYSICO - CHEMICAL AND HYDRODYNAMIC ASPECTS OF
PROCESSES OF CONCENTRATING MICROBIAL SUSPENSIONS - S. V.
KAN AND J. J. SKOP (ALL-UNION RES. INST. OF PROTEIN
BIOSYNTHESIS)

3. USE OF ULTRAFILTRATION MEMBRANES FOR LARGE-SCALE
PROTEIN RECOVERY - R. S. TIMMINS AND B. S. HORTON
(ABCOR, INC.)
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4. SOME ASPECTS OF THE PROBLEM OF PROTEIN RECOVERY FROM
MICROBIAL BIOMASS - A. N. GRIGORIAN AND YU. V. ROBITIN

5. REDUCTION OF RIBONUCLEIC ACID (RNA) IN SCP - A. V.
SINSKEY (MIT).

AFTERNOON SESSION: SCP FOR HUMAN CONSUMPTION:
NUTRITIONAL VALUE AND SAFETY: FUNCTIONALITY - CO-
CHAIRPERSONS: V. R. YOUNG AND A. A. POKROVSKY:

1. NUTRITIONAL VALUE AND SAFETY OF SINGLE-CELL PROTEIN IN
MAN - V. R. YOUNG, J. C. DILLON AND N. S. SCRIMSHAW (MIT)

2. NUTRITIONAL VALUE AND SAFETY OF SCP - A. A. POKROVSKY
(INSTITUTE OF NUTRITION)

3. STATUS OF THE TETRAHYMENA ASSAY FOR THE BIOLOGICAL
VALUE OF SINGLE-CELL PROTEIN AND ESSENTIAL AMINO ACIDS -
S. H. HUTNER (HASKINS, LAB, PACE U.); H. BAKER (N.J.
COLLEGE OF MEDICINE AND DENTISTRY)

4. THE FUNCTIONAL PROPERTIES OF SINGLE-CELL PROTEIN -
C. K. RHA (MIT)

5. CHEMICAL MODIFICATION TO IMPROVE FUNCTIONAL PROPERTIES
OF NOVEL PROTEINS - J. E. KINSELLA (CORNELL U.).

ITINERARY

DEC. 14 - AR. NEW YORK CITY
TRAVEL TO BOSTON

DEC. 15 - FREE DAY (AGREED TO IN SEPTEMBER MEETING IN
MOSCOW)

DEC. 16, 17, 18 - CONFERENCE AT MIT ON SINGLE-CELL
PROTEIN

DEC. 19 - BOSTON, MASS. - VISITS TO ABCOR, INC. AND
GAULIN CORP.
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EVENING - WORK ON REPORT FROM CONFERENCE

DEC. 20 - MORNING - COMPLETION OF CONFERENCE REPORT
AND SIGNING OF PROTOCOL

DEC. 21 - FREE DAY
EVENING - LEAVE FOR PHILADELPHIA

DEC. 22 - PHILADELPHIA - VISITS TO U. OF PENNSYLVANIA
AND GENERAL ELECTRIC COMPANY

DEC. 23 - LV. FOR NEW YORK CITY AND MOSCOW.

4. APPRECIATE EMBASSY INFORMING SOVIETS OF WANG LETTER
AND ADVISE ASAP OF NAMES OF SOVDEL AND TIME OF ARRIVAL
AND PREFERRED DATE OF DEPARTURE (DECEMBER 21 FROM NEW
YORK OR DECEMBER 23 FROM

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SCIENTIFIC COOPERATION, TECHNICAL ASSISTANCE, MEETINGS, MICROBIOLOGY
Control Number: n/a
Copy: SINGLE
Draft Date: 25 NOV 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE278976
Document Source: CORE
Document Unique ID: 00
Drafter: ASHELDON:GEM
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750410-0849
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19751114/aaaaamjl.tel
Line Count: 257
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: izenbei0
Review Comment: n/a
Review Content Flags:
Review Date: 02 DEC 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <02 DEC 2003 by chicheje>; APPROVED <27 JAN 2004 by izenbei0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
06 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: MICROBIOLOGY: FOOD AND FEED PROTEIN - SINGLE CELL PROTEIN CONFERENCE
TAGS: TECH, US, UR
To: MOSCOW
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 06 JUL 2006